#### the Bloomfield Gitizen. WEEKLY JOURNAL

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#### Fire Protection. BLOOMFIELD, JAN. 14, '89.

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work ine in ish the prey. We proof immers necess those rong te the ord for

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your last issue I find reference come. ale to the possible formation of two The Companies for the Fire continent. The writer has given solemble time and attention to enters during the past five years,

or companies, and to equip and than other companies would ne-

at the leave a Hose Company and a Monthly. cours in the middle of the night, A hose cart and hose or lo is if no value except in the

alarm that rouses your It Il se Company in the Centhe detail get to work on the

of cases, in that time, beyond the possibility other than a badly

protection desired? " unnutes!

York Home Journal.

side avenues. Glenwood avenue, near Mr. Peter McKenna's, Watsessing Centre, Bloomfield avenue and Orange street, Liberty street beyond the canal, Greenwood Lake Station, and at Excelsior House.

Upon pulling a box the alarm is struck instantly on the fire bell, the only time required being that taken to get to the nearest box.

Keys are to be obtained at two or more places adjacent to the boxes. which are on poles on the street, and are given to any reputable citizen upon payment of a small sum to cover the cost, the Chief Engineer keeping a record and having power to recall a key at any time. Every fireman would also have a key.

The question naturally arises, "what will this cost?" I have reason to think that the Western Union Co. and the Telephone Co. would allow the use of their poles where avail ble, DR. W. H. WHITE, and that sixteen hundred dollars would be nearly, if not quite enough to put the system into operation. Repairs would probably not exceed

What would two new Hose Companies cost? Houses \$2,000 each, hose 2 8 2.10 1.40, 4.20, 4.40, 5.10, 5.30, 6.20, carts \$100 each, 2,000 feet of hose at Newark for Bloomfield 6.20, 6.45, 7.15, eighty cents per foot, \$1,600, and etc. 10.05, 11.03, a.m., 12.03, 1.03, 2.44, 4.13, maintenance, \$300 per annum each. The annual depreciation in the value DR. E. M. WARD, of the hose would be double or treble Bloomfield -5 34, 6.45, 7 23, 7.52, 8.23, the cost of repairs to the electric

Let the citizens of Bloomfield give Office Hours: 7 to 9 A.M., I to 3 P.M., after 7 P.M. insurance, insist that the Association John E. WILSON, M.D., Telephone 38. for the relief of injured firemen, their Homopathic Physician and Surgeon, widows and orphans, get the two per cent tax allowed by law, and we shall have all the protection from fire, and for firemen, needed for many years to DR. WM. H. VAN GIESON,

BADGE No. 1, B F. D.

Gauss' Invention of the Telegraph. "I don't remember," writes Gauss to Olbers on the 20th of November of the DR. J. E. STUBBERT, Telephone 65. year 1833, "my having made any preyear 1835, my having made any pre-vious mention to you of an astonishing piece of mechanism that we have de-vised. It consists of a calvanic circuit vised. It consists of a galvanic circuit handly increased protection, let conducted through wires stretched is see how we can best accomplish through the air over the houses up to the s to 10 A M. steeple of St. John and down again, and connecting the observatory with the The Department at present consists physical laboratory, which is under the direction of Weber. The entire length CHAS. H. SHELTON, M. D. Telephone No. 61 Truck Company and a Hose of wire may be computed at about 8,000 feet. Bothends of the wire are connected with a multiplicator the one at my end with a multiplicator, the one at my end consisting of 170, that in Weber's laboal street and about 135 officers ratory of 50 coils of wire, each wound around a one pound magnet suspended There are no hose according to a method which I have devised. By a simple contrivance—which I have named a commutator—I can represent the named a commutator in the The same and it is man cause so violent a motion of the needle in the laboratory to take place that it strikes a bell, the sound of which is audible in the adjoining room. This serves be in the adjoining room. This serves The annual appromerely as an amusement. Our aim is to and a for the Fire Department has display the movements with the utmost accuracy. We have already made use of this apparatus for telegraphic experithe an amount of new hose, etc., ments, which have resulted successfully in the transmission of entire words and small phrases. This method of telegraphing has the advantage of being quite independent of either daytime or weather; the one who gives the signal and the one the one who gives the signal and the one who gives the signal and the one who receives it remain in their rooms, with, if they desire it, the shutters drawn, The employment of sufficiently stout wires, I feel convinced, would enable us to telegraph with but a single and the one who gives the signal and the one who receives it remain in their rooms, with, if they desire it, the shutters drawn, The employment of sufficiently stout wires, I feel convinced, would enable us to telegraph with but a single tap from Gottingen to Hanover, or from Hanover to Bremen."—"Gauss and the Electric Telegraph" in Popular Science

Educated Horses. Doubtless most of you think when you see the performances of trained horses in the circuses of today that a great ada well disciplined company.) vance has been made in educating the the Truck animals over what was done in ancient times. But you are mistaken, for even the most wonderful exploits of the horses of the present day are repetitions of what was done with them several hundred years ago. In those days horses not only danced upon their hind legs, but fought mock battles, striking at their enemies Glen Ridge. tompany also calls the with their fore feet, and showing what appeared to be remarkable intelligence. Perhaps the most surprising feat ever they would probably, in nine performed by a horse was in the olden time. A large three sided braided rope was stretched several feet from the ground, and upon this the horse walked, preserving its balance perfectly. In an old print a picture of the act is shown, the location of companies, let while another cut represents a horse much time has elapsed striking the shield of a soldier with its Even the elephant, generally sourced the fire. Say ten considered the most ungainly of animals, minutes to run to the bell was trained in those days to walk the tight rope, not only near the ground, but, if we may believe the old writers, it traversed ropes swung above the heads of the audience, and not only preserved I wenty five minutes lost! its balance, but bore a man upon its back.—Philadelphia Times.

The Height of Ocean Waves. A writer in The Liverpool Mercury-a captain of the mercantile marine-has affect minutes the fire taken great pains to take what are probably the most careful observations as to bendway. During the the height of ocean waves in a gale which have ever been recorded. He made them of time it might have during a voyage round Cape Horn and to do it he went up in the main rigging, to get, if possible, the top of the wave shown that the addition coming up astern in a line of sight from companies will not the mast to the horizon at the back. The reason he selected the mainmast was this, that as a rule it is "get it then f" you ask. rearly amidships and when the sea is running the sea ahead and from aft lifts Sure that first de the two ends, forming a hollow amidships (the actual foot of the wave below the mean draught equal to the sight elethe mean draught equal to the sight de ners) will be formed for saturday evenings vation) and the observer necessarily is ners) will be formed for saturday evenings Recovering such a territory above the true height. It was a difficult Term to begin Jan 12. operation, but the captain obtained some good observations, making the height of plication should be made before entering a the waves on the mast. On measuring class. the distance from these to the main | For further information | lease send for Circular draught he found them to be as follows: the Centre, Glen 64, 61, 58 and 65 feet respectively, varying in length from 750 to 800 feet. - New

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DODD'S HALL,

Evening, January 23d, 1889,

AT EIGHT O'CLOCK,

for the purpose of considering the provisions of the New Law relative to Township Government.

THOMAS OAKES.

By order of Township Committee

F. F. FARRAND Township Clerk.

BIOOMFIELD, N. J., JAN. 16, 1889.

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